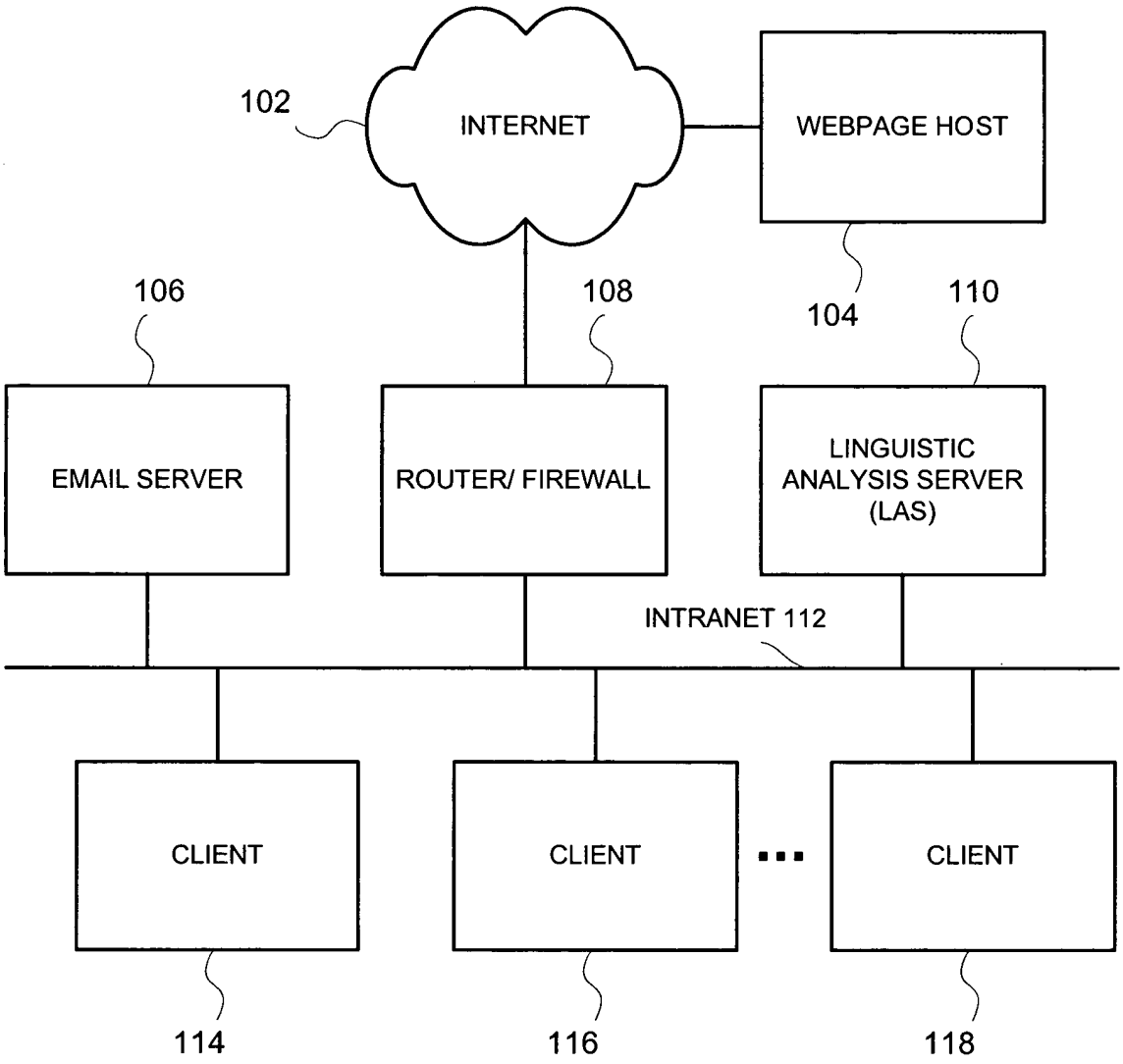
102
INTERNET
WEBPAGE HOST
104
106
108
110
EMAIL SERVER
ROUTER/ FIREWALL
LINGUISTIC ANALYSIS SERVER (LAS)
INTRANET 112
CLIENT
CLIENT
CLIENT
114
116
118

FIG. 1

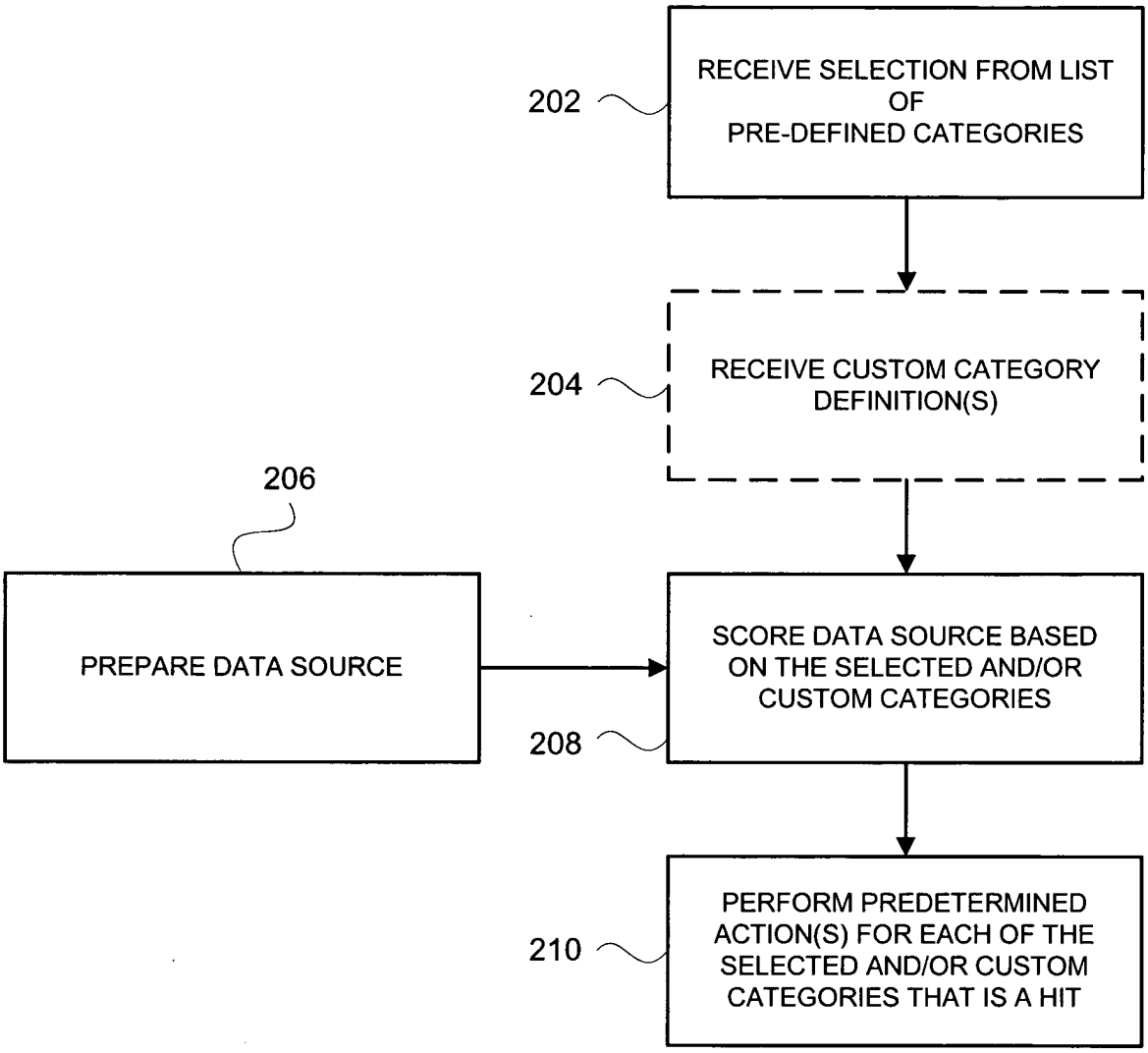
202
RECEIVE SELECTION FROM LIST OF PRE-DEFINED CATEGORIES
204
RECEIVE CUSTOM CATEGORY DEFINITION(S)
206
PREPARE DATA SOURCE
SCORE DATA SOURCE BASED ON THE SELECTED AND/OR CUSTOM CATEGORIES
208
PERFORM PREDETERMINED ACTION(S) FOR EACH OF THE SELECTED AND/OR CUSTOM CATEGORIES THAT IS A HIT
210

FIG. 2

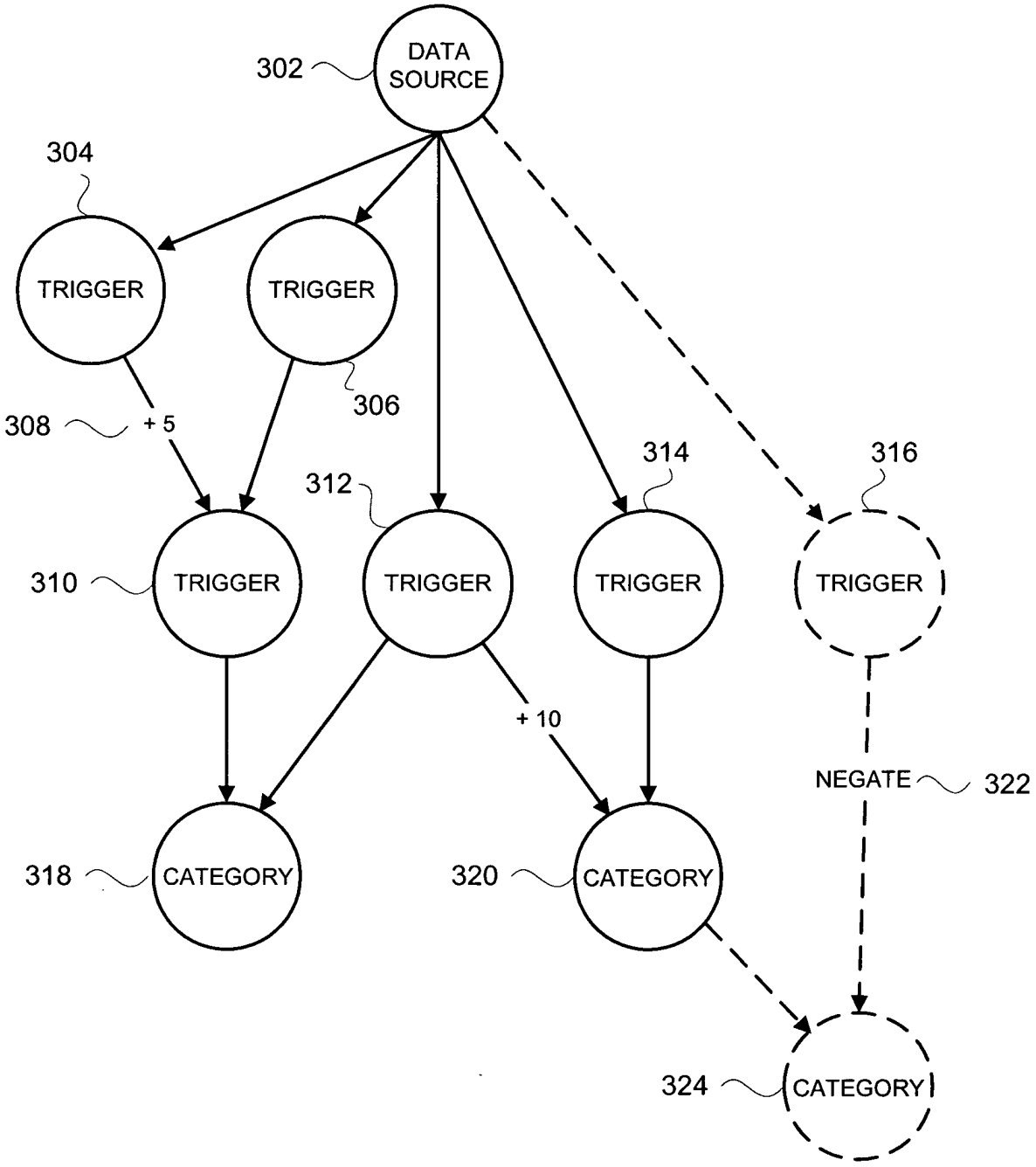
DATA SOURCE
302
304
TRIGGER
TRIGGER
306
308
+ 5
312
314
316
310
TRIGGER
TRIGGER
TRIGGER
TRIGGER
+ 10
NEGATE
322
318
CATEGORY
320
CATEGORY
324
CATEGORY

FIG. 3

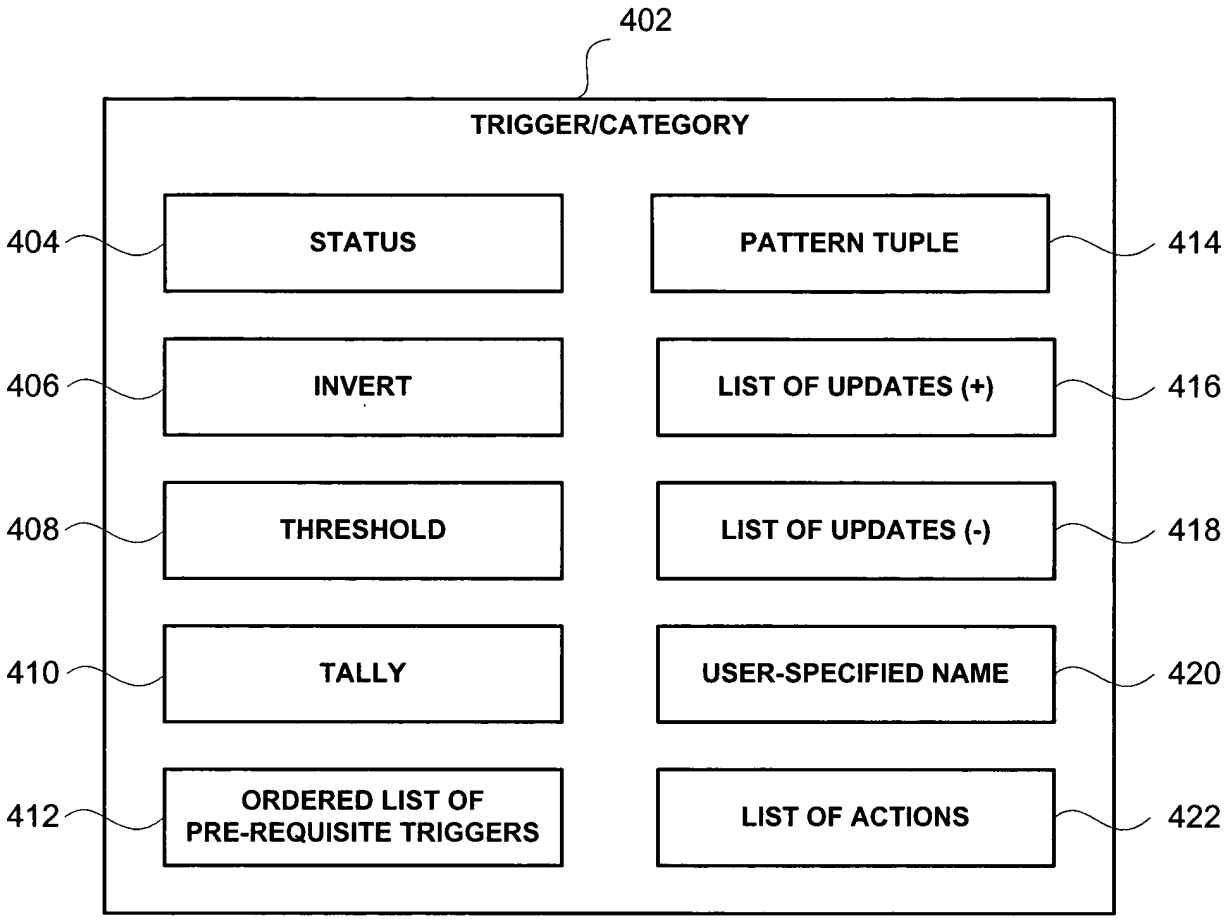
402
TRIGGER/CATEGORY
404
STATUS
406
INVERT
408
THRESHOLD
410
TALLY
412
ORDERED LIST OF PRE-REQUISITE TRIGGERS
PATTERN TUPLE
414
LIST OF UPDATES (+)
416
LIST OF UPDATES (-)
418
USER-SPECIFIED NAME
420
LIST OF ACTIONS
422

FIG. 4

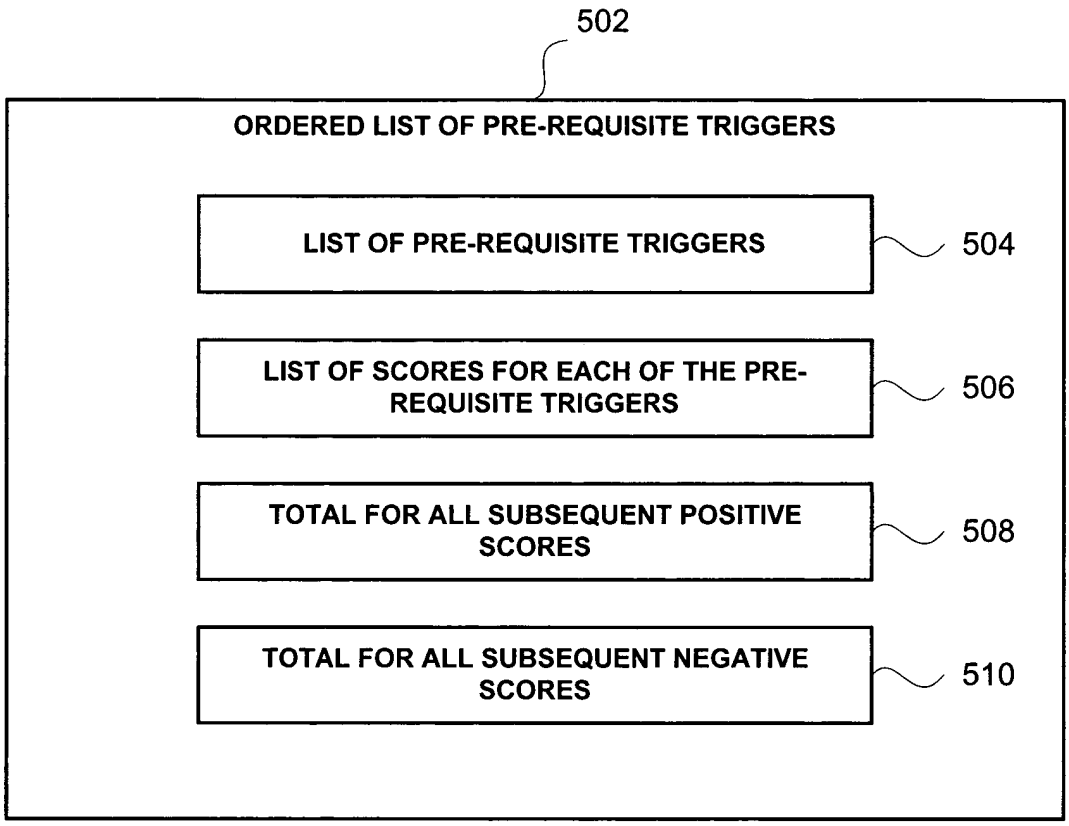
502
ORDERED LIST OF PRE-REQUISITE TRIGGERS
LIST OF PRE-REQUISITE TRIGGERS
504
LIST OF SCORES FOR EACH OF THE PRE-REQUISITE TRIGGERS
506
TOTAL FOR ALL SUBSEQUENT POSITIVE SCORES
508
TOTAL FOR ALL SUBSEQUENT NEGATIVE SCORES
510

FIG. 5

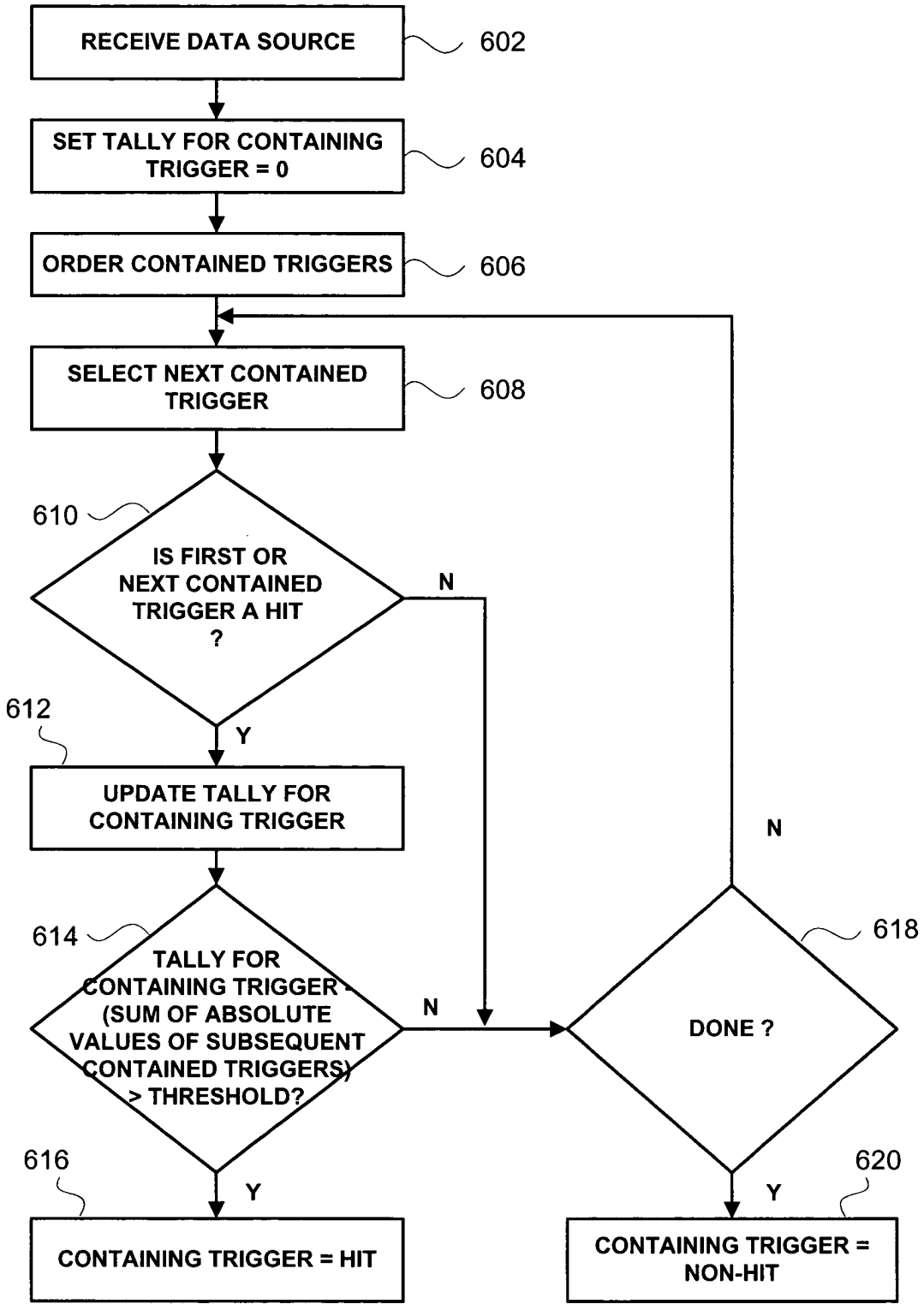
RECEIVE DATA SOURCE
602
SET TALLY FOR CONTAINING TRIGGER = 0
604
ORDER CONTAINED TRIGGERS
606
SELECT NEXT CONTAINED TRIGGER
608
610
IS FIRST OR NEXT CONTAINED TRIGGER A HIT ?
N
Y
612
UPDATE TALLY FOR CONTAINING TRIGGER
614
TALLY FOR CONTAINING TRIGGER = (SUM OF ABSOLUTE VALUES OF SUBSEQUENT CONTAINED TRIGGERS) > THRESHOLD?
N
Y
616
CONTAINING TRIGGER = HIT
618
DONE ?
N
Y
620
CONTAINING TRIGGER = NON-HIT

FIG. 6

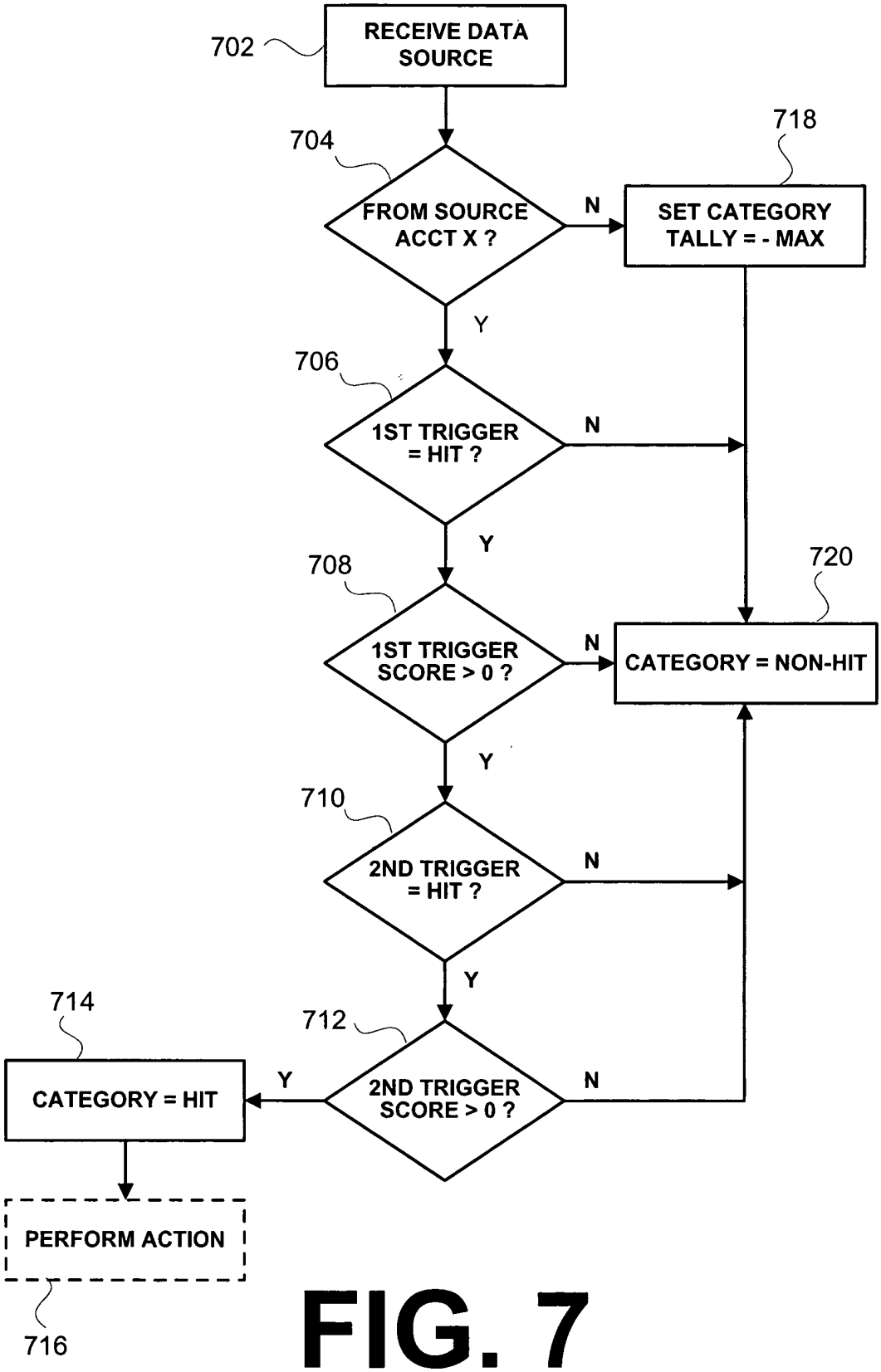
RECEIVE DATA SOURCE
702
FROM SOURCE ACCT X ?
704
N
SET CATEGORY TALLY = - MAX
718
Y
1ST TRIGGER = HIT ?
706
N
Y
1ST TRIGGER SCORE > 0 ?
708
N
CATEGORY = NON-HIT
720
Y
2ND TRIGGER = HIT ?
710
N
Y
2ND TRIGGER SCORE > 0 ?
712
N
Y
CATEGORY = HIT
714
PERFORM ACTION
716

FIG. 7

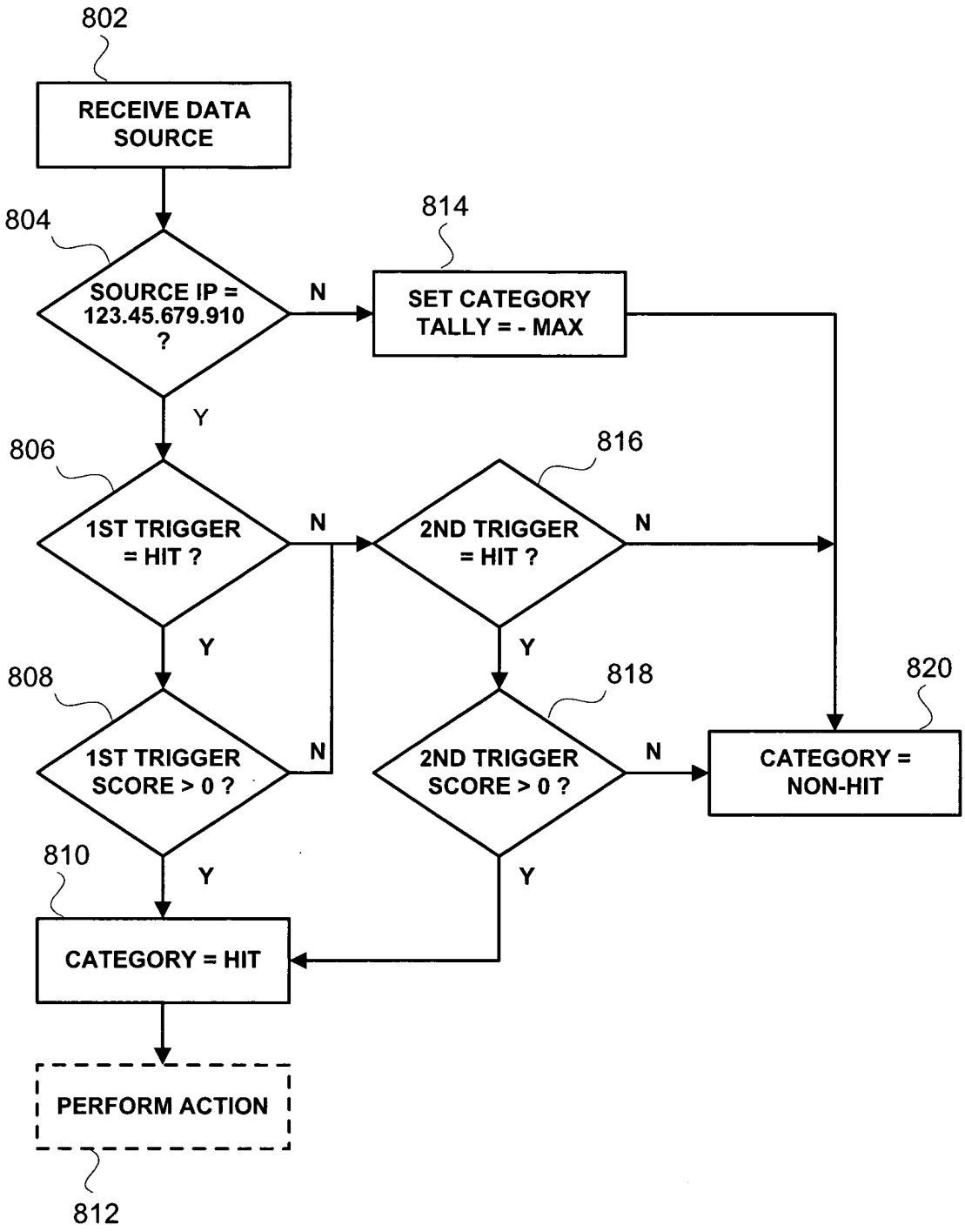
802
RECEIVE DATA SOURCE
804
SOURCE IP = 123.45.679.910 ?
N
814
SET CATEGORY TALLY = - MAX
Y
806
1ST TRIGGER = HIT ?
N
816
2ND TRIGGER = HIT ?
N
Y
Y
808
1ST TRIGGER SCORE > 0 ?
N
818
2ND TRIGGER SCORE > 0 ?
N
820
CATEGORY = NON-HIT
Y
Y
810
CATEGORY = HIT
PERFORM ACTION
812

FIG. 8A

822	824	826	828
IP = 123.45.678.910	1ST TRIGGER SCORE > 0	2ND TRIGGER SCORE > 0	CATEGORY RESULT
YES	YES	YES	HIT
YES	YES	NO	HIT
YES	NO	YES	HIT
YES	NO	NO	NON-HIT
NO	YES	YES	NON-HIT
NO	YES	NO	NON-HIT
NO	NO	YES	NON-HIT
NO	NO	NO	NON-HIT

FIG. 8B

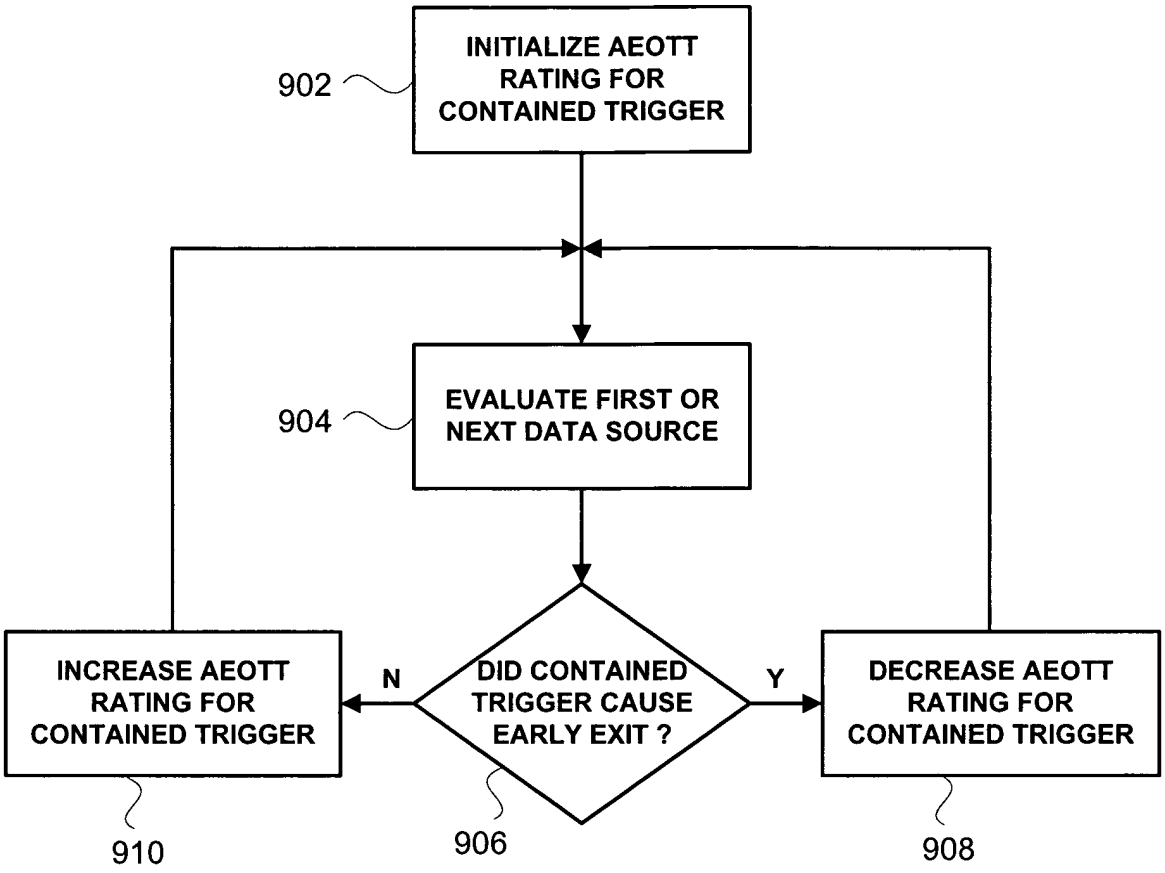
INITIALIZE AEOTT RATING FOR CONTAINED TRIGGER
902
EVALUATE FIRST OR NEXT DATA SOURCE
904
DID CONTAINED TRIGGER CAUSE EARLY EXIT ?
906
N
Y
INCREASE AEOTT RATING FOR CONTAINED TRIGGER
910
DECREASE AEOTT RATING FOR CONTAINED TRIGGER
908

FIG. 9